

I CLAIM:

1. A device for returning folded paper at, near or around a paper input end of a paper folding apparatus comprising:

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a frame comprising opposing side plates;

a first conveyer system including a first endless conveyer belt, a first driven roller, and at least one freely rotatable guide roller, wherein said first conveyer belt is wrapped around said first driven roller and said at least one freely rotatable guide roller, wherein said first driven roller is rotatable in a counter-clockwise direction thereby driving said first endless conveyer belt in a first direction, and said at least one freely rotatable guide roller guides and supports said first conveyer belt; and

a second conveyer system including a second endless conveyer belt, and at least two freely rotatable guide rollers, wherein said second conveyer belt is wrapped around said at least two freely rotatable guide rollers, said at least two freely rotatable guide rollers rotate in a direction opposite to said first driven roller, and said second conveyer system is located underneath said first conveyer system;

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wherein said guide rollers extend between said opposing side plates of said frame, and wherein said driven rollers are adapted to be mounted to the existing frame of a paper folding machine along.

2. The device of claim 1, wherein said a second conveyer system includes a second endless conveyer belt, a second driven roller, and at least two freely rotatable guide rollers, wherein said second conveyer belt is wrapped around said second driven roller and said at least two freely rotatable guide rollers, said at least two freely rotatable guide rollers rotate in a direction opposite to said first driven roller.

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3. The device of claim 2, wherein said first conveyer system includes three endless conveyer belts wrapped around said first driven roller.

4. The device of claim 2, wherein said second conveyer system includes three
5 endless conveyer belts wrapped around said second driven roller.

5. The device of claim 2, wherein said first conveyer system includes three endless conveyer belts wrapped around said first driven roller, and wherein said second conveyer system includes three endless conveyer belts wrapped around said
10 driven roller.

6. A paper folding apparatus comprising:

a frame;

a sheet feeder supported by said frame for delivering sheets of paper to a
15 sheet folding mechanism;

a paper folding mechanism located downstream from said sheet feeder;

a device for returning folded paper to said input end of said sheet feeder, said device disposed underneath said sheet feeder and folding mechanism, wherein said device comprises a frame comprising opposing side plates, a first conveyer
20 system including a first endless conveyer belt, a first driven roller, and at least one freely rotatable guide roller, wherein said first conveyer belt is wrapped around said first driven roller and said at least one freely rotatable guide roller, wherein said first driven roller is rotatable in a counter-clockwise direction thereby driving said first endless conveyer belt in a first direction, and said at least one freely rotatable
25 guide roller guides and supports said first conveyer belt, and a second conveyer system including a second endless conveyer belt, and at least two freely rotatable guide rollers, wherein said second conveyer belt is wrapped around said at least two freely rotatable guide rollers, said at least two freely rotatable guide rollers rotate in a direction opposite to said first driven roller, and said second conveyer system is

located underneath said first conveyer system, wherein said guide rollers extend between said opposing side plates of said frame, and wherein said driven rollers are adapted to be mounted to the existing frame of a paper folding machine along; and

5 means for driving at least one of said sheet feeder, said folding mechanism and said device for returning folded paper.

7. The paper folding apparatus of claim 6, wherein said a second conveyer system includes a second endless conveyer belt, a second driven roller, and at least
10 two freely rotatable guide rollers, wherein said second conveyer belt is wrapped around said second driven roller and said at least two freely rotatable guide rollers, said at least two freely rotatable guide rollers rotate in a direction opposite to said first driven roller.

15 8. The paper folding apparatus of claim 7, wherein said first conveyer system includes three endless conveyer belts wrapped around said first driven roller.

9. The paper folding apparatus of claim 7, wherein said second conveyer system includes three endless conveyer belts wrapped around said second driven
20 roller.

10. The device of claim 7, wherein said first conveyer system includes three endless conveyer belts wrapped around said first driven roller, and wherein said second conveyer system includes three endless conveyer belts wrapped around said
25 driven roller.

11. The apparatus of claim 6, wherein the means for driving at least one of said sheet feeder, said folding mechanism and said sheet return device is a motor.